

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
2	150	("1848590"   "1911873"   "2062257"   "2573462"   "2591516"   "2754864"   "2779361"   "20010044568"   "20010049558"   "20020016628"   "20020032447"   "20020035361"   "20020042621"   "20020042651"   "20020049468"   "20020055774"   "20020065554"   "20020095167"   "20020099382"   "20020099383"   "20020103532"   "20020103533"   "20020111632"   "20020138044"   "20020157676"   "20020169502"   "20020188353"   "20020193802"   "20030018358"   "20030055431"   "20030069636"   "20030078465"   "20030078654"   "20030105520"   "20030130731"   "20030135267"   "20030144697"   "20030171776"   "20030171806"   "20030212453"   "20040034437"   "3430526"   "3609056"   "3848601"   "4007732"   "4010737"   "4059115"   "4164046"   "4177797"   "4485816"   "4550870"   "4596243"   "4649918"   "4741651"   "4772286"   "4779689"   "4782833"   "4830000"   "4830023"   "4862882"   "4865146"   "4895146"	US-PGPUB; USPAT	ADJ	ON	2008/03/03 15:58

"4901711"	"4913143"
"4927421"	"4936313"
"4950270"	"4985032"
"5037426"	"5061277"
"5082403"	"5129902"
"5139499"	"5139520"
"5147362"	"5152763"
"5190548"	"5197967"
"5205685"	"5211647"
"5250071"	"5257996"
"5261916"	"5265601"
"5269786"	"5320115"
"5320626"	"5341816"
"5391170"	"5397357"
"5415651"	"5423823"
"5496326"	"5514161"
"5520693"	"5554177"
"5562669"	"5562698"
"5584867"	"5591170"
"5601600"	"5603716"
"5632747"	"5697935"
"5733325"	"5782835"
"5785714"	"5803678"
"5824071"	"5865714"
"5865834"	"5891193"
"5895391"	"5908404"
"5918604"	"5919196"
"5928238"	"5935161"
"5961545"	"5984944"
"6017348"	"6027517"
"6077295"	"6077297"
"6099549"	"6099552"
"6110178"	"6129755"
"6190406"	"6275730"
"6342067"	"6352553"
"6352561"	"6395017"
"6402781"	"6419696"
"6442427"	"6451023"
"6503271"	"6530928"
"6537314"	"6588992"
"6589208"	"6591581"
"6592588"	"6602288"
"6602289"	"6623521"
"6626899"	"6857830").PN.

S3	45	("0493730"   "1585934"   "1911873"   "2573462"   "2591516"   "3512519"   "3577979"   "3683892"   "3848601"   "4007732"   "4010737"   "4059115"   "4099518"   "4177797"   "4596073"   "4649918"   "4651753"   "4741651"   "4782833"   "4790819"   "4820156"   "4913143"   "4936313"   "5092043"   "5139520"   "5152763"   "5197967"   "5211647"   "5256149"   "5269786"   "5320626"   "5382251"   "5423823"   "5496326"   "5603716"   "5632747"   "5700291"   "5865834"   "6063037").PN. OR ("6592588").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/03 16:27
S4	27	("2919692"   "3605721"   "3628524"   "3893445"   "3913566"   "4099518"   "4122855"   "4142517"   "4262676"   "4306570"   "4341206"   "4600014").PN. OR ("4913143").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/03 17:05
S5	65	("4273117"   "4416278"   "4553575"   "4559936"   "4573448"   "4649918"   "4782833"   "4798213"   "4997434"   "5049150"   "5062845"   "5192321"   "5312408"   "5484437").PN. OR ("5632747").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/03 17:15
S6	65	("3577979"   "3848601"   "4059115"   "4142517"   "4293962"   "4375259"   "4408938"   "4559936"   "4627853"   "4649918"   "4782833"   "4798213"   "4871289"   "4873991"   "4884572"   "5067964"   "5092891"   "5116337"   "5139520"   "5152763"   "5169401"   "5190548"   "5224946"   "5234435"   "5236445"   "5268001"   "5269785"   "5324300"   "5341816"   "5382250"   "5417712"   "5423824"   "5458601"   "5464427"   "5472452"   "5480403"	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/03 17:22

		"5486197"   "5489210"   "5490853"   "5496326"   "5501683"   "5501695"   "5515861"   "5522845"   "5545180"   "5571104"   "5632747"   "5697935"   "Re34293").FN. OR ("6017348").URPN.				
S7	6	("4573838"   "5556399"   "5632747").FN. OR ("5921987").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/03 17:23
S8	13	("4306570"   "4573838"   "4669931"   "5054971"   "5205685"   "5316416"   "5490853"   "5556399"   "5613972"   "5632747").FN. OR ("5772664").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/03 17:24
S11	6	("5632747"   "5718707"   "5868711"   "5919196"   "6013082"   "6146385").FN. OR ("6530928").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/03 17:41
S12	12	("4621961"   "4690418"   "4696308"   "4977848"   "5197967"   "5423823"   "5632747"   "5928238"   "6013083").FN. OR ("6451023").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/03 17:43
S13	56	("1150279"   "2919692"   "3082805"   "3598108"   "3613662"   "3692020"   "3893445"   "3905374"   "4177797"   "4306570"   "4476864"   "4512344"   "4543966").FN. OR ("4696308").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/03 17:44
S14	1	"5320115".pn.	US-PGPUB; USPAT	ADJ	ON	2008/03/04 13:17
S15	75	("4585458"   "4605414"   "4946462"   "4997434"   "5139520").FN. OR ("5320115").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/03/04 13:17
S16	1700	606/180	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/22 16:47
S17	1	"5632747".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/02/22 16:47
S18	68	bone cor\$3 and mallet	US-PGPUB; USPAT	ADJ	ON	2009/07/20 10:52
S19	1749	606/180	US-PGPUB; USPAT	ADJ	ON	2009/08/21 14:22

S20	1	"5919196".pn.	US-PGPUB; USPAT	ADJ	ON	2009/08/21 14:34
S21	1	"5632747".pn.	US-PGPUB; USPAT	ADJ	ON	2009/08/21 15:49
S22	691	(279/74,82,904).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/26 23:41
S23	1	("6808182").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/26 23:41
S24	241	(279/74).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/01/26 23:41
S25	693	(279/74,82,904).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 22:48
S26	0	(10/687108).APP.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/25 23:33
S27	693	(279/74,82,904).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/26 15:59
S28	218	S27 and @ad<="20031016"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/26 16:00
S29	13	("5573255"   "5903983"   "6260281"   "6755423").PN. OR ("6808182").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/26 16:02
S30	75	("4782833" "5423823" "20080195115" "5423825" "20070270711" "5941891" "6045564" "6592588" "4923473" "20050137600" "5571106" "5601572" "5976143" "6277121" "5320115" "7722608" "7780668" "20080215052" "20080255623" "20090299371" "20090299372" "6071284" "6325806" "5192321" "5645598" "5766253" "6102948" "6179840" "6436100" "6764452" "7648524" "20040030385" "20040267268" "20050203620" "20050203621" "20050203622" "20070162022" "5456267" "6875183" "20020042581"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/26 16:26

		"6089867" "5391169" "5833628" "6139509" "20050192582" "5772664" "4600005" "5683406" "6086595" "6375658" "6375663" "6423073" "6447517" "6543455" "6755837" "6990982" "20010027322" "20020091403" "20030158603" "20040059338" "20060025796" "20060064102" "4511334" "6162054" "6179853" "4476861" "4777948" "5445639" "5505737" "5554165" "5735856" "5782836" "5902321" "7001391" "7011661" ).pn.				
S31	47	(ryan near kaiser).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/26 17:16
S32	0	"10687108"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/26 17:17
S33	0	(10/687108).APP.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/26 17:17
S34	754	(279/97).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/26 17:18
S35	54	S34 and @ad<="20031016"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/26 17:19
S36	162	("1848590"   "1911873"   "2062257"   "2573462"   "2591516"   "2754864"   "2779361"   "20010044568"   "20010049558"   "20020016628"   "20020032447"   "20020035361"   "20020042621"   "20020042651"   "20020049468"   "20020055774"   "20020065554"   "20020095167"   "20020099382"   "20020099383"   "20020103532"   "20020103533"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/26 17:27

"20020111632"	
"20020138044"	
"20020157676"	
"20020169502"	
"20020188353"	
"20020193802"	
"20030018358"	
"20030055431"	
"20030069636"	
"20030078465"	
"20030078654"	
"20030105520"	
"20030130731"	
"20030135267"	
"20030144697"	
"20030171776"	
"20030171806"	
"20030212453"	
"20040034437"	"3430526"
"3609056"	"3848601"
"4007732"	"4010737"
"4059115"	"4164046"
"4177797"	"4485816"
"4550870"	"4596243"
"4649918"	"4741651"
"4772286"	"4779689"
"4782833"	"4830000"
"4830023"	"4862882"
"4865146"	"4895146"
"4901711"	"4913143"
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"5197967"	"5205685"
"5211647"	"5250071"
"5257996"	"5261916"
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"5320115"	"5320626"
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"5423823"	"5496326"
"5514161"	"5520693"
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"5697935"	"5733325"
"5772664"	"5782835"
"5785714"	"5803678"
"5824071"	"5865714"
"5865834"	"5891193"

		"5895391"   "5908404"   "5918604"   "5919196"   "5919196"   "5928238"   "5935161"   "5961545"   "5984944"   "6017348"   "6027517"   "6077295"   "6077297"   "6099549"   "6099552"   "6110178"   "6110209"   "6129755"   "6190406"   "6275730"   "6342067"   "6352553"   "6352561"   "6395017"   "6402781"   "6419696"   "6442427"   "6451023"   "6503271"   "6530928"   "6537314"   "6588992"   "6589208"   "6591581"   "6592588"   "6602288"   "6602289"   "6623521"   "6626899"   "6808182"   "6857830").FN.				
S37	1	S36 and collet	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/26 17:28
S38	4	S36 and collet	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/26 17:28
S39	27	S36 and chuck	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/26 17:28
S40	352	(collet same spring same pin same sleeve same collar)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/26 17:31
S41	37	S40 and @ad<="20031016"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/26 17:31
S42	23971	(spring same pin same sleeve same collar)	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/26 17:32
S43	1450	S42 and @ad<="20031016"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/26 17:32
S44	40	S42 and @ad<="20031016" and bone	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/26 17:33
S45	385	(279/50).OCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/31 16:45
S46	116	S45 and @ad<="20031016"	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/31 16:46



S47	2	((("6533292") or ("4856693"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/07/31 16:47
S48	1	("5632747").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/14 14:18
S49	1	("6808182").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/14 14:18
S50	1	("4856693").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/14 14:18
S51	1	("5919196").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/14 14:19
S52	0	(10/687108).APP.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/10/14 14:44

**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	621	(606/180).CQLS.	USPAT; UPAD	OR	OFF	2011/12/01 16:20
L2	936	(279/74,82,50,97).CQLS.	USPAT; UPAD	OR	OFF	2011/12/01 16:20
L3	1555	1 or 2	USPAT; UPAD	OR	OFF	2011/12/01 16:20
L4	209	3 and collet	USPAT; UPAD	OR	OFF	2011/12/01 16:20
L5	124	3 and (collet).clm.	USPAT; UPAD	OR	OFF	2011/12/01 16:21
L6	0	3 and (collet and bone and harvest\$4).clm.	USPAT; UPAD	OR	OFF	2011/12/01 16:22
L7	1	(collet and bone and harvest \$4).clm.	USPAT; UPAD	OR	OFF	2011/12/01 16:22
L8	20	(collet and sleeve and handle and pin).clm.	USPAT; UPAD	OR	OFF	2011/12/01 16:23
L9	11	(collet and sleeve and handle and pin and (bore throughbore)).clm.	USPAT; UPAD	OR	OFF	2011/12/01 16:24

**12/ 1/ 2011 4:24:55 PM**
**C:\Documents and Settings\JSZPIRA\My Documents\ EAST\ Workspaces\ LI AN'S EAST  
 SEARCHES\ 10687108\_bone corer.wsp**